ABSTRACT OF THE DISCLOSURE

A method for compensating track offset in an optical disk drive is provided, which achieves complete compensation of the track offset and that reduces the compensation time for the track offset. (a) An optical disk with wobbled grooves is provided, the wobbled grooves being used for generating a wobbling signal with a wobbling period. (b) A beat-inducing signal is recorded on the disk. The period of the beat-inducing signal has a specific relationship with the wobbling period in such a way that a beat signal is induced by the beat-inducing signal and the wobbling signal. (c) A tracking-error signal is generated using a push-pull method by optically reading the wobbled grooves of the disk and the beat-inducing signal recorded on the disk. The tracking-error signal contains a beat signal induced by the beat-inducing signal and the wobbling signal. (d) Track offset is compensated based on the beat signal contained in the tracking-error signal.